Docket No.: 61355-045

UTILITY PATENT APPLICATION UNDER 37 CFR 1.53(b)



Mail Stop Utility Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir:

Transmitted herewith for filing is the patent application of:

FOR: MALFUNCTION DETECTION APPARATUS AND METHOD FOR BATTERY

Enclos	An assignment of the invention fee. 41 pages of specification, claims, abstract. Declaration and Power of Attorney. Priority Claimed. Certified copy of Japanese Application No. JP2002-243178 6 sheets of formal drawing. An assignment of the invention to and the assignment recordation fee. An assignment recordation fee.
	and the assignment recordation fee. An associate power of attorney. A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27. Information Disclosure Statement, Form PTO-1449 and reference. Return Receipt Postcard

The filing fee has been calculated as shown below:

AMOUNT	RATE	EXTRA		NO. OF	The filing fee has been calcul	
\$0.00	\$18.00	CLAIMS		CLAIMS		
\$0.00	\$84.00	0	-20	9	Total Claims	
\$0.00	L	0	-3	2	Independent Claims	
\$750.00	pendent Claims Multiple Dependent Claim(s) Basic Fee					
\$750.00	Total of Above Calculations					
\$0.00	Total of Above Calculations Less ½ for Small Entity					
\$40.00	Less ½ for Small Extra) Assignment & Recording Fee					
\$790.0	Assignment & Recording Total Fee					

\boxtimes	Please charge my Deposit Account No. 500417 in the amount of \$790.00. A duplicate copy of this sheet is enclosed.
\boxtimes	The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No.
\boxtimes	500417. A duplicate copy is enclosed. Any additional filing fees required under 37 CFR 1.16.
	The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No.
\boxtimes	500417. A duplicate copy of this sheet is enclosed. Any patent application processing fees under 37 CFR 1.17. Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

Robert L. Price

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Date: August 20, 2003

Docket No.: 61355-045 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Makoto IWASHIMA : Confirmation Number:

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Serial No.: : Group Art Unit:

Filed: : Examiner:

For: MALFUNCTION DETECTION APPARATUS AND METHOD FOR BATTERY PACK

CLAIM OF PRIORITY AND TRANSMITTAL OF CERTIFIED PRIORITY DOCUMENT

Mail Stop CPD Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 35 U.S.C. 119, Applicant hereby claims the priority of:

Japanese Patent Application JP 2002-243178, Filed on August 23, 2003

cited in the Declaration of the present application. A certified copy is submitted herewith.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

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Date: August 20, 2003